

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Eco Window Systems, LLC 9114 NW 106 Street Medley, FL 33178

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Eco-Guard 300" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W09-20**, titled "Eco-Guard Series-300 Alum Fixed Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 03/23/09, with revision D dated 07/08/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

# MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 14-0317.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

18/24/15

NOA No. 15-0715.10 Expiration Date: June 17, 2019 Approval Date: September 03, 2015 Page 1

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA#09-0413.08)
- 2. Drawing No **W09-20**, titled "Eco-Guard Series-300 Alum. Fixed Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 03/23/09, with revision D dated 07/08/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94

along with installation diagram of a 97 1/4" wide x 96 1/8" high Eco-Guard series 300 aluminum double fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2192A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

- 2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of a 97 1/4" wide x 96 1/8" high Eco-Guard series 300 aluminum double fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2192B**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- 3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
  - 3) Water Resistance Test, per FBC, TAS 202-94

along with installation diagram of a 48 1/4" wide x 96 3/8" high Eco-Guard series 300 aluminum circular arch top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2193A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

- 4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of a 48 1/4" wide x 96 3/8" high Eco-Guards 300 aluminum circular arch top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2193B**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- 5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of a 47 5/8" wide x 96" high Eco-Guard series 300 aluminum triangular top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-08-2194, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

Manuel Perez, P.E. Product Control Examiner NOA No. 15-0715.10

Expiration Date: June 17, 2019 Approval Date: September 03, 2015

# Eco Window Systems, LLC.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### B. TESTS (CONTINUED)

- 6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94

along with installation diagram of a 50 5/8" wide x 63 1/4" high Eco-Guard series 300 aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2195A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

# C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Edition (2014), dated 07/08/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

## D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

#### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.
- 2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.

#### F. STATEMENTS

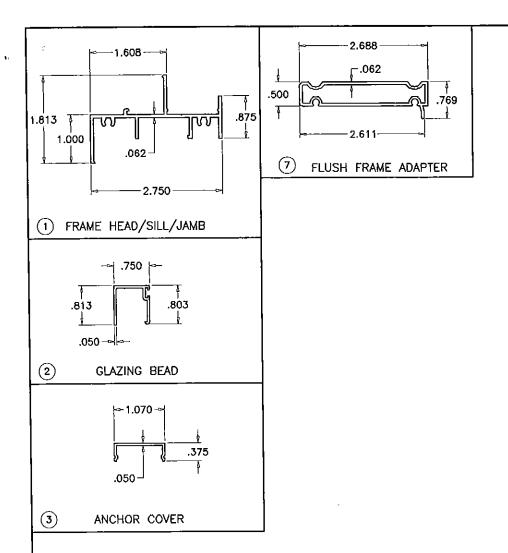
1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, and of no financial interest, dated July 8, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

# G. OTHER

1. Notice of Acceptance No. 14-0317.03, issued to Eco Window Systems, LLC for their Series "Eco-Guard 300" Aluminum Fixed Window – L.M.I., approved on 04/10/14 and expiring on 06/17/19.

Manuel Perez, H.E. Product Control Examiner NOA No. 15-0715.10

Expiration Date: June 17, 2019 Approval Date: September 03, 2015



# ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

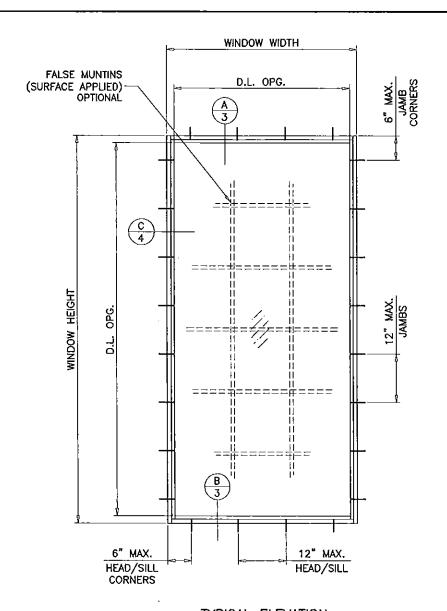
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



# TYPICAL ELEVATION

GLASS\_D,L.O. DIMS.

D.L.O. HEIGHT = WINDOW HEIGHT - 3.625" D.L.O. WIDTH = WINDOW WIDTH - 3.625"

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CMIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No
Expiration Date
10, 17, 2019

By Manuel Surl Miami Dade Product Control AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 262-6978 ECO-GUARD SERIES-300 ALUM FIXED WDW ECO WINDOW SYSTEMS, 9114 N.W. 106 STREET MEDLEY, FL. 33178
TEL (305) 885-5299 FAX (305) 885

1/2-1-0

drawing

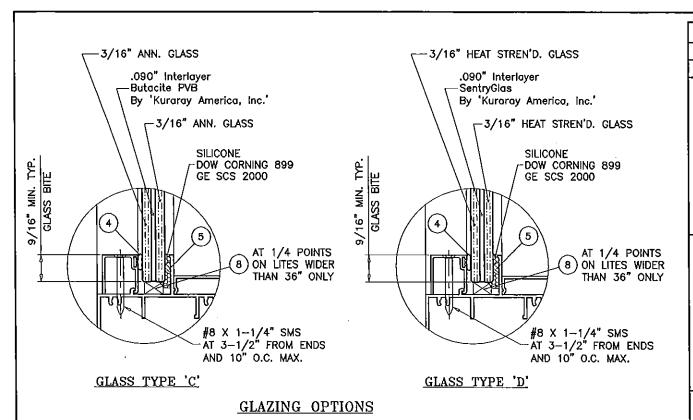
W09 - 20

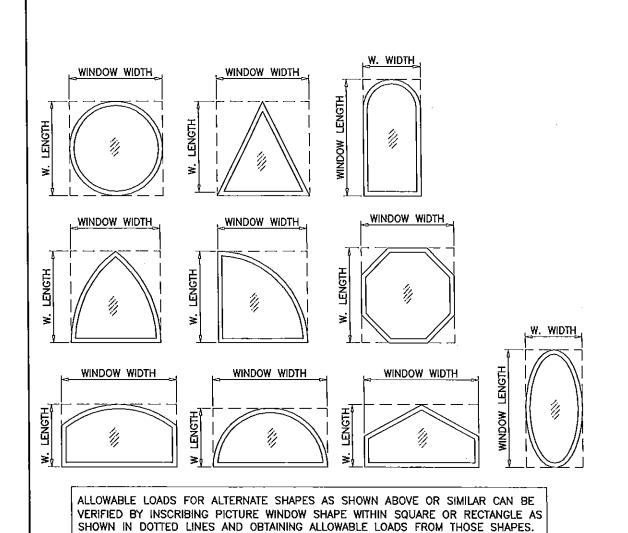
sheet 1 of 5

HAMID

ጅ

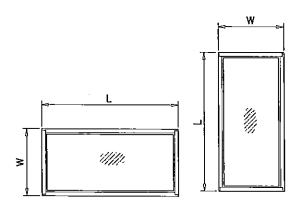
no.





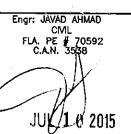
	DES	IGN LOAD	CAPACITY -	- PSF		Ē
WINDOW		GLASS T		GLASS T	YPE 'D'	H
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	Tw
24"	, ,	75.0	80.0	80.0	90.0	1 2
30"		75.0	80.0	80.0	90.0	1
36"		75.0	80.0	80.0	90.0	5
42"	707	75.0	80.0	80.0	90.0	1
48"	36"	75.0	80.0	80.0	90.0	
54"		75.0	80.0	80.0	90.0	
60°		75.0	80.0	80.0	90.0	5
66"		75.0	80.0	80.0	90.0	
72"		75.0	80.0	80.0	90.0	1
24"		75.0	80.0	80.0	90.0	
30"		75.0	80.0	80.0	90.0	٤
36"		75.0	80.0	80.0	90.0	
42*	48"	75.0	80.0	80.0	90.0	
48"	48	75.0	80.0	80.0	90.0	
54"		75.0	80.0	80.0	90.0	;
60"		75.0	80.0	80.0	90.0	-
66"		75.0	80.0	80.0	90.0	Н
72*		75.0	76.6	80.0	90.0	;
24"		75.0	80.0	80.0	90.0	_
30"		75.0	80.0	80.0	90.0	
36"		75.0	80.0	80.0	90.0	
42"	20.	75.0	80.0	80.0	90.0	
48"	60	75.0	80.0	80.0	90.0	
54"		66.8	71.3	80.0	90.0	
60°		60.2	64.2	80.0	90.0	ŀ
66"	]	60.2	64.2	80.0	90.0	
72"		60.2	64.2	80.0	90.0	
24"		75.0	80.0	80.0	90.0	1
30"		75.0	80.0	80.0	90.0	
36"		75.0	80.0	80.0	90.0	
42"	72"	75.0	80.0	80.0	90.0	
48"		75.0	76.6	80.0	90.0	
54 <b>"</b>		66.8	71.3	80.0	90.0	1
60"		60.2	64.2	80.0	90.0	1
24"		75.0	80.0	80.0	90.0	
30"		75.0	80.0	80.0	90.0	1
36"	84"	75.0	80.0	80.0	90.0	1
42"	04	70.0	70.0	80.0	90.0	1
48"		65.6	65.6	80.0	90.0	1
54 <b>"</b>		64.3	64.3	80.0	90.0	1
24"		75.0	80.0	80.0	90.0	1
30"		75.0	80.0	80.0	90.0	1
36"	96"	75.0	76.2	80.0	90.0	1
42"		64.6	64.6	80.0	90.0	1
48"		59.9	59.9	80.0	90.0	1
24"		75.0	80.0	80.0	90.0	1
30"		75.0	80.0	80.0	90.0	ĺ
36"	108"	74.5	74.5	80.0	90.0	1
42"	1	61.5	61.5	80.0	90.0	1
24"	1	75.0	80.0	80.0	90.0	1
30"	120"	75.0	80.0	80.0	90.0	1
36"		74.5	74.5	80.0	90.0	1
				•		-

MINDO	f DIMS.	GLASS T	YPE 'C'	GLASS T	YPE 'D'
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
26-1/2"	· ·	75.0	80.0	80.0	90.0
37"	26"	75.0	80.0	80.0	90.0
53-1/8"	26	75.0	80.0	80.0	90.0
74"		75.0	80.0	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	38-3/8"	75.0	80.0	80.0	90.0
53-1/8"	30-3/6	75.0	80.0	80.0	90.0
74°		75.0	80.0	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	50-5/8"	75.0	80.0	80.0	90.0
53-1/8"	30-378	71.3	76.0	80.0	90.0
74"		71.3	73.1	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	63 <sup>4</sup>	75.0	80.0	80.0	90.0
53-1/8"		67.9	72.5	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	76"	75.0	80.0	80.0	90.0
53-1/8"		67.9	69.9	80.0	90.0



WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0715. 10
Expiration Date Ilme II, 2019
By Manual Lus
Mismi Pade Product Control

revis	uo u	A 05	B 01	Ω 10	0 07	L
date: 03-23-09		scale: 1/2"-1'-0"		dr. by: HAMID		Chk by:

**U**)[8

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100
FAX. (305) 262-6978

(LM.1.)

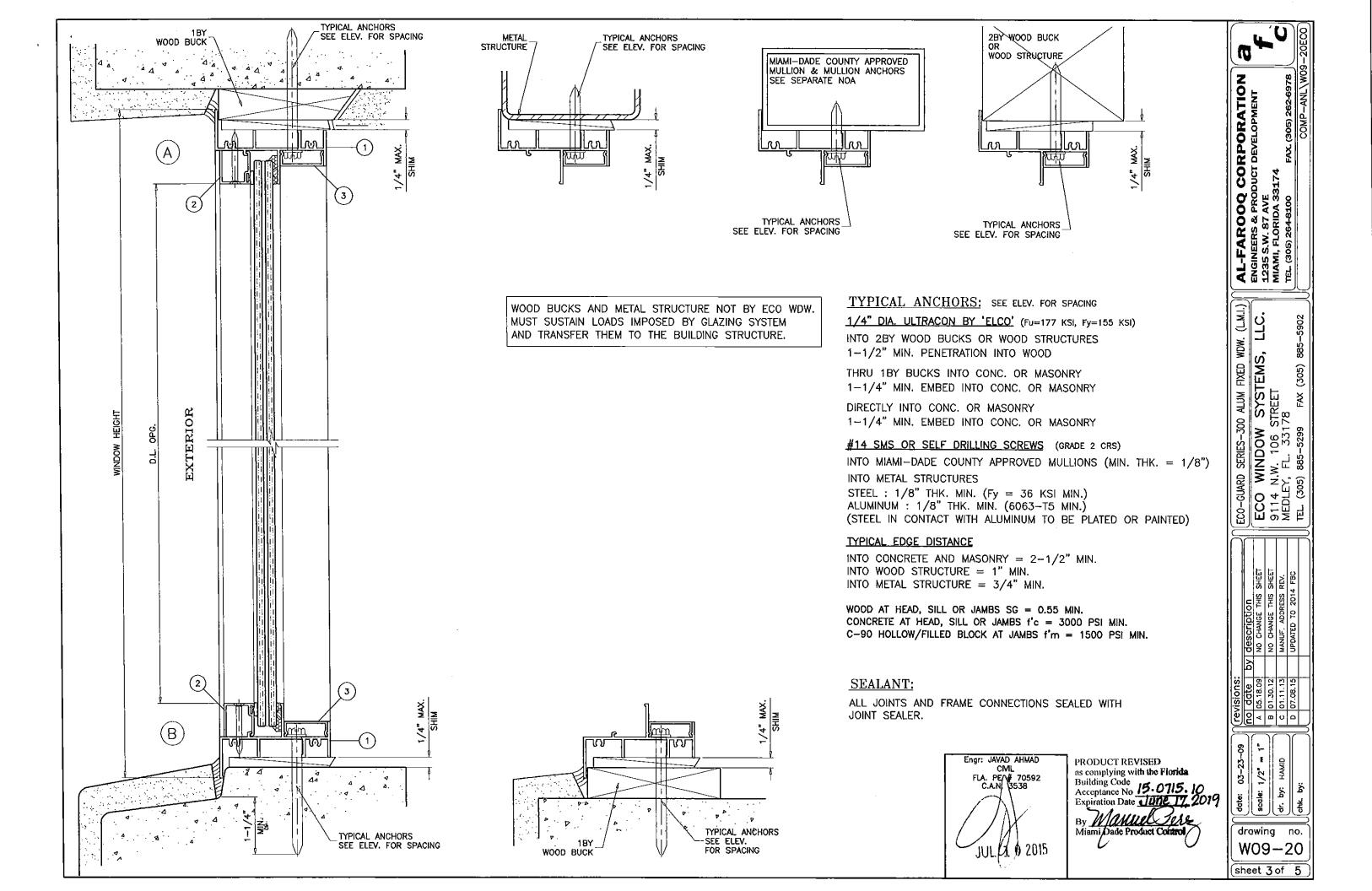
ECO-GUARD SERIES-300 ALUM FIXED WDW.

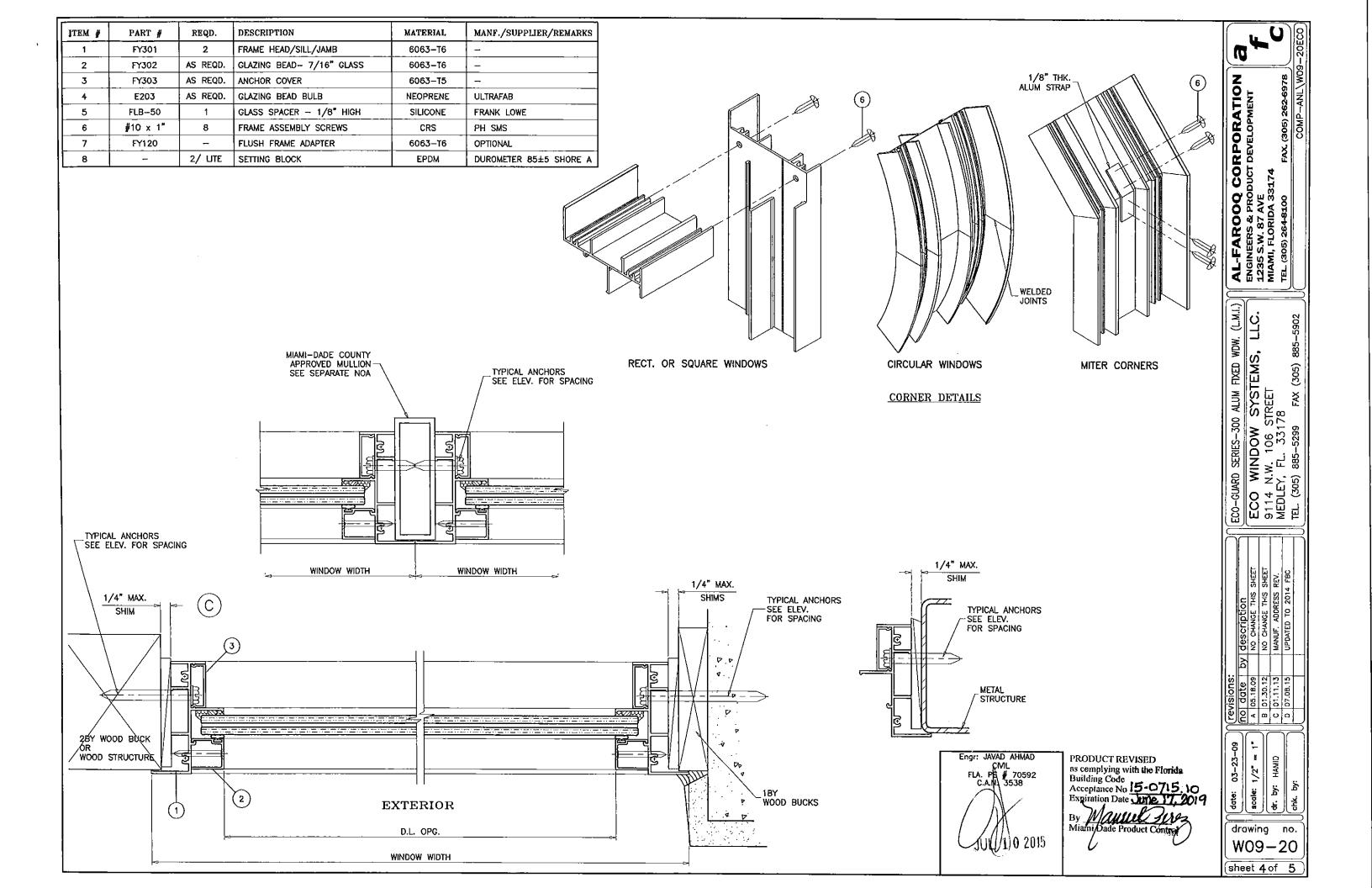
ECO WINDOW SYSTEMS, L
9114 N.W. 106 STREET
MEDLEY, FL. 33178
TEL. (305) 885-5299 FAX (305) 885-

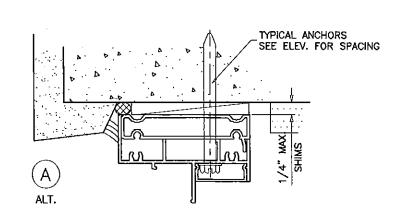
885-

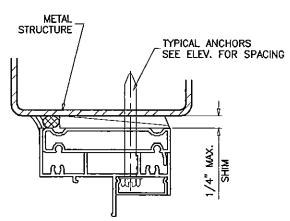
drawing no. W09-20

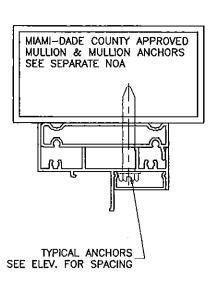
sheet 2 of 5

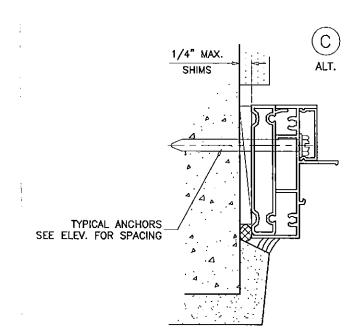


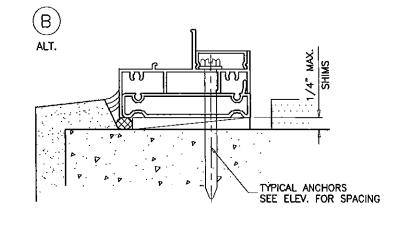




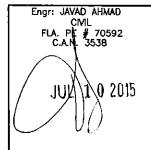








INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 15-0715.10 Expiration Date Line 17, 2019 By Maurel List Miami Dade Product Control	
Expiration Date June 17, 2019  By Waysel Sure	
By Wallel Just	Acceptance No 15-0715.10
	Expiration Date June 17, 2019
Miami Jade Product Control	
	Miami Dade Product Control

drawing W09-	date: 03-23-09   scale: 1/2" == 1"	revisions:   no date   A 05.18.09   B 01.30.12	by description NO CHANGE THIS SHEET NO CHANGE THIS SHEET	ECO-GUARD SERIES-300 ALUM FIXED WDW. (LM.I.)  ECO-GUARD SERIES-300 ALUM FIXED WDW. (LM.I.)  ECO-GUARD SERIES-300 ALUM FIXED WDW. (LM.I.)  ENGINEERS & PRODUCT DEVELOPMENT  1235 S.W. 87 AVE	AL-FAROOQ CORPORATIC ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE	PORATION WELOPMENT
-2	dr. by: HAMID	C 01.11.13	MANUF, ADDRESS REV.  NO CHANGE THIS SHEET	MEDLEY, FL. 33178	-	FAX. (305) 262-6978
o. 0	Chk. by:			TEL. (305) 885-5299 FAX (305) 885-5902		COMP-ANL\WO

sheet 5 of 5